

## Uplights | 0 arrayLED 9 W DC 24 V | CRI 80 81191N30

























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Type         Walk Over           Installation position         Floor           Installation environment         Outdoor           Light Source         LED           Circuit structure         arrayLED           Optics         Flood           Light emission direction         upward           Nominal power         9 W DC           Source lumens         1313 Im           Input voltage range         24 V           CCT / Tone         4000 K           Colour rendering index         80 Ra           C.C. / C.V.         CV           Safety class         3           IP         IP68           Installation limitations         Not for underwater use           IK         IK10           Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Directional         No           Directional         No           Directional         No           Obitectional         No           Cable included         Yes	Technical data	
Installation environment         Outdoor           Light Source         LED           Circuit structure         arrayLED           Optics         Flood           Light emission direction         upward           Nominal power         9 W DC           Source lumens         1313 Im           Input voltage range         24 V           CCT / Tone         4000 K           Colour rendering index         80 Ra           C.C. / C.V.         CV           Safety class         3           IP         IP68           Installation limitations         Not for underwater use           IK         IK10           Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Directional         No           Directional         No           Dirive-over         No           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type o	Туре	Walk Over
Light Source Circuit structure arrayLED Optics Flood Light emission direction Nominal power 9 W DC Source lumens Input voltage range 24 V CCT / Tone 4000 K Colour rendering index 80 Ra C.C. / C.V. Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test B50° Direct mounting on normally flammable surfaces Ves Driver included No C.V C.C. Converter Converter 24V included Dimmable article Dimmable article No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Flood Surge protection No Surge protection No Cupy arrayLED Owward Splood	Installation position	Floor
Circuit structure arrayLED Optics Flood Light emission direction upward Nominal power 9 W DC Source lumens 1313 lm Input voltage range 24 V CCT / Tone 4000 K Colour rendering index 80 Ra C.C. / C.V. Safety class 3 IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes Driver included No C.V C.C. Converter Converter 24V included Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No Surge protection No Optics technology Honey comb	Installation environment	Outdoor
Optics         Flood           Light emission direction         upward           Nominal power         9 W DC           Source lumens         1313 lm           Input voltage range         24 V           CCT / Tone         4000 K           Colour rendering index         80 Ra           C.C. / C.V.         CV           Safety class         3           IP         IP68           Installation limitations         Not for underwater use           IK         IK10           Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Dimmable article         No           Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostat	Light Source	LED
Light emission direction         upward           Nominal power         9 W DC           Source lumens         1313 lm           Input voltage range         24 V           CCT / Tone         4000 K           Colour rendering index         80 Ra           C.C. / C.V.         CV           Safety class         3           IP         IP68           Installation limitations         Not for underwater use           IK         IK10           Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Directional         No           Directional         No           Directional         No           Valk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No	Circuit structure	arrayLED
Nominal power	Optics	Flood
Source lumens         1313 lm           Input voltage range         24 V           CCT / Tone         4000 K           Colour rendering index         80 Ra           C.C. / C.V.         CV           Safety class         3           IP         IP68           Installation limitations         Not for underwater use           IK         IK10           Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Dirmable article         No           Directional         No           Directional         No           Valk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Optics technology         Honey comb	Light emission direction	upward
Input voltage range	Nominal power	9 W DC
CCT / Tone         4000 K           Colour rendering index         80 Ra           C.C. / C.V.         CV           Safety class         3           IP         IP68           Installation limitations         Not for underwater use           IK         IK10           Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Dimmable article         No           Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Optics technology         Honey comb	Source lumens	1313 lm
Colour rendering index  C.C. / C.V.  Safety class  IP  IP68  Installation limitations  IK  IK10  Glow wire test  Birect mounting on normally flammable surfaces  CE  Yes  Driver included  No  C.V C.C. Converter  Converter 24V included  Dimmable article  No  Directional  No  Titting  No  Walk-over  Drive-over  Cable included  Yes  Cable length  1 m  Resin potting  Yes  Type of light emission  No  Surge protection  No  Optics technology  Honey comb	Input voltage range	24 V
C.C. / C.V.  Safety class  IP  IP68  Installation limitations  IK  IK10  Glow wire test  Birct mounting on normally flammable surfaces  CE  Tyes  Driver included  No  C.V C.C. Converter  Converter 24V included  Dimmable article  No  Directional  No  Tilting  No  Walk-over  Tyes  Drive-over  Cable included  Yes  Cable length  1 m  Resin potting  Type of light emission  Net weight  Lettorstatic discharge protection  No  Surge protection  No  CV  Sorver  Sorver  CV  Sorver  Sorver  A  Sorver  Tyes  Tyes  Type of light emission  No  Surge protection  No  Optics technology  Honey comb	CCT / Tone	4000 K
Safety class IP IP68 Installation limitations Not for underwater use IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes CE Yes Driver included No C.V C.C. Converter Converter Included No Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No Optics technology Honey comb	Colour rendering index	80 Ra
IP IP68 Installation limitations Not for underwater use  IK IK10 Glow wire test 850° Direct mounting on normally flammable surfaces Yes  CE Yes Driver included No  C.V C.C. Converter Converter Converter 24V included  Dimmable article No Directional No Tilting No Walk-over Yes Drive-over No Cable included Yes Cable length 1 m Resin potting Yes Type of light emission Single emission  Net weight 0.5 Kg Electrostatic discharge protection No Optics technology Honey comb	C.C. / C.V.	CV
Installation limitations  IK  IK10  Glow wire test  B50°  Direct mounting on normally flammable surfaces  CE  Yes  Driver included  No  C.V C.C. Converter  Dimmable article  Dimetional  No  Titting  No  Walk-over  Yes  Drive-over  Cable length  1 m  Resin potting  Type of light emission  No  Surge protection  No  IK10  IK10  Glow wire test  850°  Yes  Converter 24V  included  No  Converter 24V  included  Yes  Converter 24V  included  No  Single emission  No  No  No  Surge protection  No  Honey comb	Safety class	3
Installation limitations  IK IK10  Glow wire test 850°  Direct mounting on normally flammable surfaces Yes  CE Yes  Driver included No  C.V C.C. Converter  Dimmable article No  Directional No  Tilting No  Walk-over Yes  Drive-over No  Cable included Yes  Cable length 1 m  Resin potting Yes  Type of light emission  Net weight 0.5 Kg  Electrostatic discharge protection  No  Optics technology Honey comb	IP	IP68
Glow wire test         850°           Direct mounting on normally flammable surfaces         Yes           CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Dimmable article         No           Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Optics technology         Honey comb	Installation limitations	
Direct mounting on normally flammable surfaces  CE Yes  Driver included No  C.V C.C. Converter  Dimmable article No Directional No  Titting No Walk-over Yes  Drive-over No  Cable included  Yes  Cable length 1 m  Resin potting Yes  Type of light emission Net weight Direction Surge protection No  Optics technology Honey comb	IK	IK10
CE         Yes           Driver included         No           C.V C.C. Converter         Converter 24V included           Dimmable article         No           Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	Glow wire test	850°
Driver included  C.V C.C. Converter  Converter 24V included  Dimmable article  No  Directional  No  Titting  No  Walk-over  Yes  Drive-over  No  Cable included  Yes  Cable length  1 m  Resin potting  Yes  Type of light emission  Net weight  Directional  No  Surge protection  No  Converter 24V included  No  No  Surge protection  No  Converter 24V included  No  No  No  No  Honey comb	Direct mounting on normally flammable surfaces	Yes
C.V C.C. Converter         Converter 24V included           Dimmable article         No           Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	CE	Yes
C.V C.C. Converter         included           Dimmable article         No           Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	Driver included	No
Directional         No           Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	C.V C.C. Converter	
Tilting         No           Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	Dimmable article	No
Walk-over         Yes           Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	Directional	No
Drive-over         No           Cable included         Yes           Cable length         1 m           Resin potting         Yes           Type of light emission         Single emission           Net weight         0.5 Kg           Electrostatic discharge protection         No           Surge protection         No           Optics technology         Honey comb	Tilting	No
Cable included     Yes       Cable length     1 m       Resin potting     Yes       Type of light emission     Single emission       Net weight     0.5 Kg       Electrostatic discharge protection     No       Surge protection     No       Optics technology     Honey comb	Walk-over	Yes
Cable length     1 m       Resin potting     Yes       Type of light emission     Single emission       Net weight     0.5 Kg       Electrostatic discharge protection     No       Surge protection     No       Optics technology     Honey comb	Drive-over	No
Resin potting Yes Type of light emission Single emission Net weight 0.5 Kg Electrostatic discharge protection No Surge protection No Optics technology Honey comb	Cable included	Yes
Type of light emission  Net weight  O.5 Kg  Electrostatic discharge protection  No  Surge protection  No  Optics technology  Single emission  No  Honey comb	Cable length	1 m
Net weight     0.5 Kg       Electrostatic discharge protection     No       Surge protection     No       Optics technology     Honey comb	Resin potting	Yes
Electrostatic discharge protection No Surge protection No Optics technology Honey comb	Type of light emission	Single emission
Surge protection No Optics technology Honey comb	Net weight	0.5 Kg
Optics technology Honey comb	Electrostatic discharge protection	No
	Surge protection	No
Product technological characteristics Acquastop	Optics technology	Honey comb
	Product technological characteristics	Acquastop

Finishing casing		
Material	Die-cast Aluminium EN AB - 46100	
Colour	black	
Processing	Open pore anodizing + Powder Coating	

Finishing diffuser		
Material	Extra clear glass - Tempered	
Colour	transparent	
Processing	Silk-screening	

Finishing flange		
Material	AISI 316L steel	
Colour	steel	
Processing	Brushing	
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#### Electronics



89179 On/Off Driver 198~264V AC 24 W (1 - 2 art.)



89359

On/Off Driver 198~264V AC / 180~275V DC 48 W (1 - 5 art.)



99331

On/Off Driver 198~264V AC / 176~275V DC 150 W (1 -16 art.)



99660

DALI - 1-10V Controller 24V DC 216 W (- art.)



C-E500023 DALI - 1-10V - Push and Simply Dim Controller 8~53V

DC 576 W (- art.)

Cables Electrification		
Cable connector	No	



## Uplights | 0 arrayLED 9 W DC 24 V | CRI 80 | Base **81191N30**

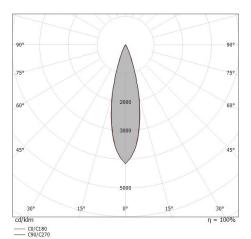
Single emission uplights for outdoor application. The natural white LED light source with a flood light distribution is composed of 1 arrayled LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1313 lm, with a 145.9 lm/W nominal luminous efficacy.

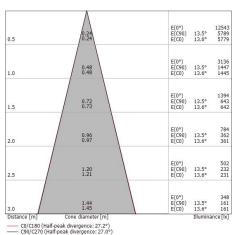
The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered with a silk-screening treatment. The ingress protection degree is IP68; the total weight is of 0.5 kg.

The total absorbed power is 9 W. The power supply cable is included and features a 1 m length.

The device features protection class III and can be floor-mounted with an outer casing, code 99856(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.





## Energy efficiency class

This product contains a light source of energy efficiency class E.

Illuminotechnical Features	
Light Output Ratio (LOR)	57 %
Source lumens	1313 lm
Delivered lumens	757 lm
Consumption	9 W
Luminaire efficacy	84 lm/W
Colour temperature	4000 K
Standard Deviation of Colour Matching	2 Step MacAdam
Colour rendering index	80 Ra
Black Body Locus	On
Standard Operating Ambient Temperature	-20 / +50°C
Ordinary temperature on the glass	40°C

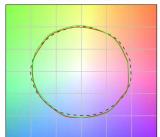
### LED Life / Failure Ratio

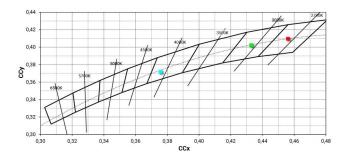
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR	
UGR axial	10.8
UGR transversal	10.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
C0/C180 optics	27°
Light distribution simmetry	Symmetrical

#### COLOR VECTOR GRAPHIC







# Orma\_A | Uplights | Accessories 81191N30

